

**Amendments to the Specification**

Please replace paragraph [0006] with the following amended paragraph:

**[0006]** The biosynthesis of MSH has been identified as involving four steps: (1) formation of GlcNAc-Ins; (2) deacetylation of GlcNAc-Ins to produce GlcN-Ins; (3) ligation of GlcN-Ins to Cys to produce Cys-GlcN-Ins; (4) acetylation of Cys-GlcN-Ins by acetyl-CoA to produce MSH (Bornemann, et al. (1997) Biochem. J. 325:623-629; Anderberg, et al. (1998) J. Biol. Chem. ~~275:37317-37323~~273:30391-7; Newton, et al. (2000) J. Bacteriol. 182:6958-6963). The genes encoding these biosynthesis steps have been designated *mshA*, *mshB*, *mshC*, and *mshD* but the only biosynthetic gene identified thus far is the *mshB* gene encoding the deacetylase MshB (Newton, et al. (2000) J. Bacteriol. 182:6958-6963).